

# Receiving Report

Date:

13/11/29

Batch No:

M/27647

Supplier:

CASTLE

Dart P/O:

22/29

Packing Slip:

Yes ☒

No

Invoice:

Yes ☐

No ☒

Receipt:

Cash ☐

Cr ☒

Release Note Attached:

Yes ☒

No

N/A

Waybill Attached:

Yes ☐

No ☒

N/A

Shipment Complete:

Yes ☒

No

N/A

QC6 Inspection

13/11/29

N/A

Work Order

N/A ☒

Discrepancies

Part Number	Description	Quantity Ordered	Quantity Received	Quantity Returned	Quantity Short	Comments

Initials of receiver (if shipment OK) Level 12



Production/Admin:

Date

Received/Costing

Initial

13/11/29  


Location

\_\_\_\_\_

All amounts are calculated in domestic currency.

All Item ID/GL/WOs All Rec. Employees All Currencies

Grouped by Vendor ID

[illegible]



Castle Metals®

A. M. Castle & Co.

CKING SLIP/

CONFORMANCE

Page 1 of 1

Shipment No:1966606

<b>Ship From:</b> A. M. Castle & Co. MONTREAL - CASTLE METALS 835-SELKIRK AVENUE POINTE CLAIRE, QUEBEC H9R 3S2		<b>Sold To:</b> DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA		<b>Ship To:</b> DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CAN		<b>Deliver To:</b> DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA	
<b>Date Shipped</b> 28-NOV-2013	<b>F.O.B.</b> ORIGIN	<b>Freight Terms</b> Prepaid	<b>Carrier</b> MANITOULIN	<b>BOL No</b> 1966606-2			

<b>Shipment Details</b>	<b>Final Destination Branch - MON</b>
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<b>Order No</b> 3119114	<b>Line No</b> 5	<b>Item No</b> 4574	<b>Description</b> 0.3750.RD.303,STAINLESSCF.ANN.132.0000-156.0000 SPECIFICATIONS: ASTM A582 Email P/s and Certs to : clavoie@dartaero.com
<b>Purchase Order No</b> 22129	<b>Part Number</b>	<b>Ordered Qty</b> 36.00 FT	<b>Invoice Qty</b> 36.1875 FT

<b>Details</b>	ALL PAPERWORK MUST FOLLOW ORDER / CUSTOMER MUST RECEIVE AT TIME OF DELIVERY ALL MATERIAL MUST HAVE IDENTIFYING MARKINGS EX:HEAT #S FORWARD COPY OF P/S TO TRACY ( MONTREAL ) Email P/s and certs to: clavoie@dartaero.com END USER: DART AEROSPACE END USE: COMMERCIAL AIRCRAFT PARTS ECCN # EAR99		
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<b>Delivery No.</b> 119432986	<b>Mill</b> NORTH AMERICAN STAINLESS	<b>Heat Number</b> H2D3	<b>Mech Id</b> 3	<b>Width (IN)</b>	<b>Length (IN)</b> 144.7500	<b>Shipped Qty(LBS)</b> 13.6065
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These commodities/technologies are subject to US Export Administration & US State Dept. Regulations and, if intended for export, were/are exported thereunder. Diversion contrary to US Law is Prohibited.	
We hereby certify the material covered by this certification conforms in accordance with the above specifications and has been found to meet the applicable requirements for the material, including any specifications forming a part of the description. Test reports are on file subject to examination. All claims for defective material are waived unless made in writing to A.M. Castle & Co. within 60 days of the shipment. Material cut to the correct size, or material cut by the customer cannot be returned for credit.	
Reviewed by Authorized Castle Metals Representative:	Date: Name:

These commodities, technology or software were exported from the United States in accordance with the Export Administration Regulations. Diversion contrary to US law prohibited.

Date Printed: 28-NOV-2013 10:30:16 AM



NORTH AMERICAN  
STAINLESS

# METALLURGICAL TEST REPORT

6870 Highway 42 East  
Ghent, KY 41045-9615  
(502) 347-6000

Certificate: 835883 14 Mail To: Ship To: Date: 5/14/2013 Page: 1 OF 1  
A.M. CASTLE AND COMPANY A.M. CASTLE AND COMPANY Steel: 303  
1420 KENSINGTON ROAD-SUITE 220 3400 NORTH WOLF ROAD Finish: Cold Draw  
OAK BROOK IL 60523 FRANKLIN PARK IL 60131 Dia/Tbk: .8750 in  
Customer: 0032 001 Leg Length: 144.00 in  
NAS Order: LP 878 1 Corrosion:  
Your Order: 220402 Item Code: 4574

## PRODUCT DESCRIPTION:

Round Bar, Annealed, Cold Draw  
ASTM A582/12 EN 10204 3.1, ASTM A484/11  
AMS 5648C TYPE 1, Q08-764B CONDITION A  
SOLUTION ANNEAL TEMP 1900F MIN

## REMARKS:

COMPLIES W/REQUIREMENTS OF DPAR 252.225-70143-1 EU DIRECTIVE  
2011/65/EU. ROHS. EAF+AOD+CC. NO WELD REPAIR. MELTED AND MFG  
IN USA FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION

*ENL 13/11/29*

Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight
BF40715	2104	BF40716	2100						

## CHEMICAL ANALYSIS

CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan) Chemical Analysis per ASTM A751/08

Supplier #	CM	C %	CO %	CR %	CU %	NI %	MO %	N %	NI %	P %	S %
US		.056	.15	17.25	.29	1.76	.32	.049	8.44	.036	.3345
SI %											

## MECHANICAL PROPERTIES

1 d	HB	No.	.2YS	KSI	UTS	KSI	RA	%	ELNG	% 2"
BF40715	R L	208.0	89.65	110.88	110.88	51.06	51.06	38.50		
BF40716	R L	208.0	89.65	110.88	110.88	51.06	51.06	38.50		

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material meets the specifications stated. These results relate only to the items tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS

Technical  
Dept. Mgr.

ERIC HESS



Castle Metals®

A. M. Castile & Co.

PACKING SLIP/  
CERTIFICATE OF CONFORMANCE

Page 1 of 1

Shipment No: 1966606

<b>Ship From:</b> A. M. Castile & Co. MONTREAL - CASTLE METALS 835-SELKIRK AVENUE POINTE CLAIRE, QUEBEC H9R 3S2		<b>Sold To:</b> DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA		<b>Ship To:</b> DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CAN		<b>Deliver To:</b> DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA	
<b>Date Shipped</b> 28-NOV-2013	<b>F.O.B.</b> ORIGIN	<b>Freight Terms</b> Prepaid	<b>Carrier</b> MANITOULIN	<b>BOL No</b> 1966606-2			

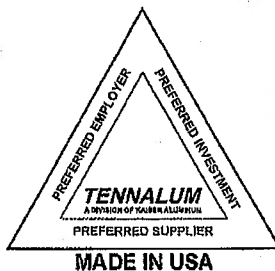
<b>Shipment Details</b>		<b>Final Destination Branch - MON</b>	
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<b>Order No</b> 3119114	<b>Line No</b> 6	<b>Item No</b> 8741	<b>Description</b> 1.0000.RD.7075.17351.ALUMINUM.CF.144.0000 SPECIFICATIONS: AMS-QQ-A-225/9 Email P/s and Certs to : clavoie@dartaero.com			
<b>Purchase Order No</b> 22129	<b>Part Number</b>		<b>Ordered Qty</b> 96.00 FT	<b>Invoice Qty</b> 96.0000 FT		
<b>Details</b> ALL PAPERWORK MUST FOLLOW ORDER / CUSTOMER MUST RECEIVE AT TIME OF DELIVERY ALL MATERIAL MUST HAVE IDENTIFYING MARKINGS EX:HEAT #S FORWARD COPY OF P/S TO TRACY ( MONTREAL ) Email P/s and certs to: clavoie@dartaero.com END USER: DART AEROSPACE END USE: COMMERCIAL AIRCRAFT PARTS ECCN # EAR99						
<b>Delivery No.</b> 119432986	<b>Mill</b> KAISER ALUMINUM	<b>Heat Number</b> 20167143	<b>Mech Id</b> 8	<b>PCS</b> 8	<b>Width (IN)</b>	<b>Length (IN)</b> 144.0000
					<b>Shipped Qty(LBS)</b> 91.2000	

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Reviewed by Authorized Castle Metals Representative:	Date: Name:

# KAISER ALUMINUM FABRICATED PRODUCTS

Tennalum  
309 Industrial Drive  
Jackson, TN 38301  
731-423-2811



**CERTIFIED TEST REPORT**  
<http://Online.KaiserAluminum.com>

CUSTOMER PO NUMBER: 195828-1		CUSTOMER PART NUMBER: 8741		PRODUCT DESCRIPTION: Cold Finished Round	
KAISER ORDER NUMBER: 684234	LINE ITEM: 1	SHIP DATE: 02/04/2013	ALLOY: 7075	TEMPER: T7351	
WEIGHT SHIPPED: 641 lbs.	QUANTITY: 56 pcs.	B/L NUMBER: 34968	DIAM/DAE/THKNS: 1.000 in.	WIDTH: 0.000 in.	LENGTH: 144.0 in.
SHIP TO: A M Castle & Co AM Castle & Co. 3400 No. Wolf Road Franklin Park, IL 60131 USA			SOLD TO: A M Castle & Co 1420 Kensington Road Suite 220 Oak Brook, IL 60523 USA		

Test Code: 1000 AC

## Actual Physical Properties

Lot Number	LONG. UTS ksi	LONG. YTS ksi	LONG. ELONG. %	COND % IACS
20167143	74.2	63.3	17.0	38.7
	74.2	62.7	16.0	38.7
	73.4	62.2	16.0	38.7

## Chemical Composition, WT. % (Aluminum Remainder)

	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	OTHERS EACH	OTHERS TOTAL	Lot
Actual	0.09	0.24	1.3	0.04	2.7	0.20	5.9	0.03			20167143
Max	0.40	0.50	2.0	0.30	2.9	0.28	6.1	0.20	0.05	0.15	
Min			1.2		2.1	0.18	5.1				

## Specifications

Standard: ISO 9001, ASTM B211-12, AMS 4124E, AMS-QQ-A-225/9 Non-Standard: A97075-11-R13

*OK 13h/29*

## CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC ("Kaiser") hereby certifies that the metal shipped under this order has been inspected and tested and found in conformance with the applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

John Rennekamp, Quality Manager

*John Rennekamp*

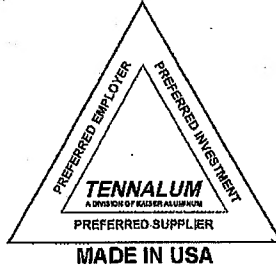
Plant Serial: 183459

Kaiser Order Number: 684234

Line Item: 1

# KAISER ALUMINUM FABRICATED PRODUCTS

Tennalum  
309 Industrial Drive  
Jackson, TN 38301  
731-423-2811



## CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

### Miscellaneous Notes

Made in USA

This material was melted and manufactured in the USA. Mercury is not a normal contaminant in aluminum alloys. Neither mercury nor any of its compounds were utilized by Kaiser Aluminum in the manufacture of this material. AS9100C:2009 The recording of false, fictitious or fraudulent statements or entries on the certificate may be punished as a felony under federal law.

This material meets the requirements of (cold finished) T73 temper and QQ-A-225/9E (CANCELLED). NAFTA - YES. Material complies with FAR BAA (FAR 52.225-1, Buy American Act-Supplies), DFARS BAA (DFARS 252.225-7001 Buy American Act & Bal of Payments Prog); and FAR TAA (FAR 52.225-5 Trade Agreements). No weld repair. Material is RoHS compliant.

Castle Metals FP  
HEAT NUMBER 2016 7/43  
MECHANICAL ID \_\_\_\_\_  
ITEM CODE 8741  
LOT NUMBER \_\_\_\_\_  
PO NUMBER 195828  
RECEIPT DATE \_\_\_\_\_  
SUPPLIER KAISER  
SPECIFICATION \_\_\_\_\_  
LCS 110  
COMMENT \_\_\_\_\_  
APPROVED DL

### CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC ("Kaiser") hereby certifies that the metal shipped under this order has been inspected and tested and found in conformance with the applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

John Rennekamp, Quality Manager

Plant Serial: 183459

Kaiser Order Number: 684234

Line Item: 1



Castle Metals®

A. M. Castle & Co.

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CERTIFICATE OF CONFORMANCE

Page 1 of 2

Shipment No:1966677

Ship From:		Sold To:	Ship To:	Deliver To:
A. M. Castle & Co. (Canada) Inc. TORONTO - CASTLE METALS 2150 ARGENTIA ROAD MISSISSAUGA, ON L5N 2K7		DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA	DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CAN	DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA
Date Shipped	F.O.B.	Freight Terms	Carrier	BOL No
28-NOV-2013	ORIGIN	Prepaid	MANITOULIN	1966677-2

Shipment Details	Final Destination Branch - TOR
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Order No	Line No	Item No	Description	Ordered Qty	Invoice Qty		
3126498	1	1496680	0.7500.RD.17CR-4NI.STAINLESS.CF.SOL TR.COND A:132-0000-156-0000 SPECIFICATIONS: AMS 5643 ALL PAPERWORK MUST FOLLOW ORDER / CUSTOMER MUST RECEIVE AT TIME OF DELIVERY ALL MATERIAL MUST HAVE IDENTIFYING MARKINGS EX:HEAT #S FORWARD COPY OF P/S TO TRACY ( MONTREAL ) Email P/s and certs to: clavoie@dartaero.com	144.00 LBS	96.6667 FT		
Purchase Order No		Part Number					
22129							
Details		AMS 5643 ALL PAPERWORK MUST FOLLOW ORDER / CUSTOMER MUST RECEIVE AT TIME OF DELIVERY ALL MATERIAL MUST HAVE IDENTIFYING MARKINGS EX:HEAT #S FORWARD COPY OF P/S TO TRACY ( MONTREAL ) Email P/s and certs to: clavoie@dartaero.com					
Delivery No.	Mill	Heat Number	Mech Id	PCS	Width (IN)	Length (IN)	Shipped Qty(LBS)
119437590		426085		8		145.0000	148.0000

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Date Printed: 28-NOV-2013 02:38:47 PM





**Castle Metals®**

**A. M. Castle & Co.**

**PACKING SLIP/  
CERTIFICATE OF CONFORMANCE**

Page 2 of 2

Test reports are on file subject to examination. All claims for defective material are waived unless made in writing to A.M. Castle & Co. within 60 days of the shipment. Material cut to the correct size, or material cut by the customer cannot be returned for credit.	
Reviewed by Authorized Castle Metals Representative:	
Date:	Name:

# Acciaierie Valbruna S.p.A.



QUALITY MANAGEMENT SYSTEM  
CERTIFIED BY LLOYD'S REGISTER

**CERTIFICATO DI COLLAUDO  
ABNAHMEPRUEFZEUGNIS  
INSPECTION CERTIFICATE  
CERTIFICAT DE RECEPTION  
EN 10204 (2004), 3.1**

36100 VICENZA (Italia) - Viale della scienza, 25 z.i.

Stab.: 39100 BOLZANO (Italia) - Via A. Volta, 4

Cliente / Besteller/Purchaser/Client

VALBRUNA CANADA LTD

8724 HOLGATE CRESCENT

L5T 5Z1-MILTON, ONT L5T 5Z1-CA

Produttore: **ACCIAIERIE VALBRUNA S.P.A.**

Hersteller/Item/Usine productrice

Avviso di Spedizione: D-VI13012803  
Lieferanzelge/Packing list/B.L.

Ordine nr: 303004089 Stock - Canada  
Bestell/Your order/Commande

Certificato nr: MEST340023/2013/  
Prüfung/Test/Essai

Conferma ordine nr: EH13002304  
Werks/Our Order/Ref. nr.

Marchio di Fabbrica

Zeichen des Lieferwerkes

Trade mark

Signe de l'usine productrice



Stato di fornitura: Hot rolled - Annealed Peeled  
Lieferzustand/Delivery state/Etat de livraison

Tipo di Elaborazione: E+AOD  
Erschmelzungsart/Melting process/Mode d'elaboration

Punzone del Collaudatore:  
Stempel des Werkssachverständigen  
Inspector's stamp/Pointon de l'essayeur

Specifiche:  
Anforderungen / Requirements / Exigences

VAL CANADA 2 630 A

ASTM A564 2010 S17400

(0) SEC.II PT.A 2010 EDITION ADD. 2011a

AMS 5643 R S17400

ASME SA564 2010 S17400 (0)

Qualità: 630

Werkstoff/Grade/Nuance

Marca: V174

Markenbezeichnung  
Brand/Nuance

Tolleranza: ASTM A484-11  
Tolleranz/Allowance/Tolerance

Punzonatura: 630  
Kennzeichnung/Marking/Marquage

Pos. nr. Pos. nr. Item nr. Nr. de poste	Oggetto Gegenstand Product description Descrip. du produit	Dimensioni - In Abmessungen Dimension Dimension	Lunghezza - In Länge Length Longueur	Colata Schmelze Heat Coulée	Pezzi Stückzahl Pieces Pieces	Peso - LB Gewicht Weight Poids	Lotto nr. Losnr. Lot nr. Lot nr.
0030	Round	0,7500	144 / 147	426085		1.464	233304741

TEST ALLO STATO DI FORNITURA  
Test on delivery condition Prüfung auf lieferbarem produkt test a l'etat de fourniture Prueba sobre el material así como entregado

TEST	Provetta/Probestab Specimen/Eprovette Larg.diam. Spess. Breite Diam. Dicke Width Diam. Thickness Larg. diam. épais mm	°F	Posiz. Saggio Probeage Location Emplacement 1)	Snervamento Streckgrenze Yield Stress Limite elastique	Snervamento Streckgrenze Yield Stress Limite elastique	Resistenza Zugfestigkeit Tensile strength Resistance à traction	Allungamento Bruchdehnung Elongation Allongement	Strizione Einschnürung Reduction of area Striction	Resilienza Kerbschlagarbeit Impact Value Resilience	Durezza Härte Hardness Dureté HB
	Valori richiesti 1 Anforderungen/Required values Valeurs demandées	min max								
A	12,5	68	L							363

TEST		min	max
A	Delta Ferrite		5,0 1,0 %

Sample cond. H900

Sample cond. H900																	
Tipo Trattamento Wärmebehandlung Heat Treatment Traitement Technique		Temperatura Temperatur Temperature	Raffreddamento Abkühlung Cooler Refraldissement		Permanenza Haltezeit Permanence Maintien	Tipo Trattamento Wärmebehandlung Heat Treatment Traitement Technique		Temperatura Temperatur Temperature	Raffreddamento Abkühlung Cooler Refraldissement		Permanenza Haltezeit Permanence Maintien	Tipo Trattamento Wärmebehandlung Heat Treatment Traitement Technique		Temperatura Temperatur Temperature	Raffreddamento Abkühlung Cooler Refraldissement		Permanenza Haltezeit Permanence Maintien
Aging		900 °F	AIR		60 "												
TEST	Provetta/Probestab Specimen/Eprosvette Larg.diam. Spess. Breite Diam. Dicke Width Diam. Thickness Larg. diam. épais mm	°F	Posiz. Saggio Probeage Location Emplacement 1)	Snervamento Streckgrenze Yield Stress Limite elastique Rp 0,2% k.s.i.	Snervamento Streckgrenze Yield Stress Limite elastique	Resistenza Zugfestigkeit Tensile strength Resistance à traction Rm k.s.i.	Allungamento Bruchdehnung Elongation Allongement E 4d %	Strizione Einschnürung Reduction of area Striction %		RA %		Resilienza Kerbschlagarbeit Impact Value Resilience -		Durezza Härte Hardness Dureté HB			
	Valori richiesti 1 Anforderungen/Required values Valeurs demandées	min max		170	-	190	-	10	-	40	-			388 444			
	B	12,5	68	L	184		200	16		52		432					

1) L=longitudinale/längs, T=transversale/quer, Q=Tangenziale/tangential

## Analisi chimica

Chemische Zusammensetzung/Chemical Analysis/Analyse chimique

Colata/Heat Schmelze/Coulée	min - max 0,070	1,00	1,00	15,00 17,50	0,50	3,00 5,00	3,00 5,00	0,040	0,030	-	-	-	-	-	-
426085	C %	Si %	Mn %	Cr %	Mo %	Cu %	Ni %	P %	S %	Ta %					
	0,034	0,43	0,50	15,20	0,17	3,31	4,68	0,026	0,001	0,0005					

Vicenza, 29/04/13

VCQ008

(Mod. MCE2)

Il collaudatore di stabilimento / der Werkssachverständige / Works inspector / L'agent d'usine

M. Rizzotto

Pagina - 1 di 2

# Acciaierie Valbruna S.p.A.



QUALITY MANAGEMENT SYSTEM  
CERTIFIED BY LLOYD'S REGISTER

**CERTIFICATO DI COLLAUDO**  
**ABNAHMEPRUEFZEUGNIS**  
**INSPECTION CERTIFICATE**  
**CERTIFICAT DE RECEPTION**  
**EN 10204 (2004) , 3.1**

36100 VICENZA (Italia) - Viale della scienza, 25 z.i.

Stab.: 39100 BOLZANO (Italia) - Via A. Volta, 4

Cliente / Besteller/Purchaser/Client

VALBRUNA CANADA LTD

8724 HOLGATE CRESCENT

L5T 5Z1-MILTON, ONT L5T 5Z1-CA

Produttore: **ACCIAIERIE VALBRUNA S.P.A.**

Hersteller/Item/Usine productrice

Avviso di Spedizione: D-VI13012803

Lieferanzeige/Packing list/B.L.

Certificato nr: MEST340023/2013/

Prüfung/Test/Essai

Conferma ordine nr: EI13002304

Werks/Our Order/Ref nr.

Ordine nr: 303004089 Stock - Canada

Bestell/Your order/Commande

Marchio di Fabbrica:

Zeichen des Lieferwerkes

Trade mark

Sigle de l'usine productrice



Punzone del Collaudatore:

Stempel des Werkssachverständigen

Inspector's stamp/Poinçon de l'inspecteur



Stato di fornitura: Hot rolled - Annealed Peeled

Lieferzustand/Delivery state/Etat de livraison

Tipo di Elaborazione: E+AOD

Erschmelzungsart/Melting process/Mode d'elaboration

Colata /Heat Schmelze/Coulée	min 0,150 max 0,450	5°C 0,450	-	-	-	-	-
426085	Nb%+Ta% 0,293	Cb(Nb)% 0,292					

Annealing temperature 1922 deg. F for 1 H / air.

Macro etch test: satisfactory.

Produced without class I-II Ozone depleting substances.

Material is DFARS Compliant

Sono state soddisfatte tutte le condizioni richieste

Die gestellten Anforderungen sind lt. Anlage erfüllt

The material has been furnished in accordance with the requirements  
Le matériel a été trouvé conforme aux exigences

Controllo antimescolanza: OK

Verwechslungsprüfung: spektralanalytisch durchgeführt

Antimixing testing performed: OK

Contrôle antimeslange fait: r.a. s.

Controllo visivo e dimensionale: soddisfa le esigenze

Besichtigung und Ausmessung: ohne Beanstandung

Visual inspection and dimensional checks: satisfactory

Contrôle visuel et dimensions: satisfaisant

Melted and manufactured in Italy

No welding or weld repair

Material free from Mercury contamination

We declare that the finished product is checked for radioactive contamination through Portal System when it leaves the production plant.

The Quality Management System is Certified acc. Pressure Equipment Directive [97/23/EC] Annex 1, s., 4.3 by TUEV and LLOYD'S

Any act of tampering, modification, alteration, counterfeiting and/or falsification and/or any other action which modifies the contents of this test certificate shall constitute a violation of applicable civil and criminal laws. Acciaierie Valbruna shall protect its rights and interests before any competent court, authority and jurisdiction.

The supplied product conforms to requirements expressly requested by the purchaser and conforms to requirements specified by certified norms and standards. Should the product be used for more severe, critical and/or in any case different applications than those the material is generally intended for, any different and/or supplementary requirements shall be specifically demanded, at least, upon order of the Product by the Purchaser. Acciaierie Valbruna SpA shall not be responsible for any improper use of the Products.

Vicenza, 29/04/13

VCQ008

(Mod. MCE2)

Il collaudatore di stabilimento / der Werkssachverständige / Works inspector / L'agent d'usine

M. Rizzotto

Pagina - 2 di 2



Castle Metals®

A. M. Castile & Co.

PACKING SLIP/  
CERTIFICATE OF CONFORMANCE

Page 1 of 1

Shipment No: 1966606

<b>Ship From:</b> A. M. Castile & Co. MONTREAL - CASTLE METALS 835-SELKIRK AVENUE POINTE CLAIRE, QUEBEC H9R 3S2		<b>Sold To:</b> DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA	<b>Ship To:</b> DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CAN	<b>Deliver To:</b> DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA
<b>Date Shipped</b> 28-NOV-2013	<b>F.O.B.</b> ORIGIN	<b>Freight Terms</b> Prepaid	<b>Carrier</b> MANITOU LIN	<b>BOL No</b> 1966606-2

<b>Shipment Details</b>	<b>Final Destination Branch - MON</b>
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<b>Order No</b> 3119114	<b>Line No</b> 4	<b>Item No</b> 4632	<b>Description</b> 0.7500.RD.303.STAINLESS.CF.ANN.132.0000-156.0000 SPECIFICATIONS: ASTM A582
<b>Purchase Order No</b> 22129	<b>Part Number</b>	<b>Ordered Qty</b> 108.00 FT	<b>Invoice Qty</b> 108.0000 FT
<b>Details</b> ALL PAPERWORK MUST FOLLOW ORDER / CUSTOMER MUST RECEIVE AT TIME OF DELIVERY ALL MATERIAL MUST HAVE IDENTIFYING MARKINGS EX: HEAT #S FORWARD COPY OF P/S TO TRACY (MONTREAL) Email P/s and certs to: clavoie@artaero.com END USER: DART AEROSPACE END USE: COMMERCIAL AIRCRAFT PARTS ECCN # EAR99			
<b>Delivery No.</b> 119432986	<b>Mill</b> NORTH AMERICAN STAINLESS	<b>Heat Number</b> J1W2	<b>Mech Id</b> 9
		<b>Width (IN)</b>	<b>Length (IN)</b> 144.0000
		<b>PCS</b>	<b>Shipped Qty (LBS)</b> 162.0000

These commodities/technologies are subject to US Export Administration & US State Dept. Regulations and, if intended for export, were/are exported thereunder. Diversion contrary to US Law is Prohibited.	
We hereby certify the material covered by this certification conforms in accordance with the above specifications and has been found to meet the applicable requirements for the material, including any specifications forming a part of the description. Test reports are on file subject to examination. All claims for defective material are waived unless made in writing to A.M. Castile & Co. within 60 days of the shipment. Material cut to the correct size, or material cut by the customer cannot be returned for credit.	
<b>Reviewed by Authorized Castle Metals Representative:</b>	<b>Date:</b>
	<b>Name:</b>



# METALLURGICAL TEST REPORT

NORTH AMERICAN STAINLESS  
6870 HIGHWAY 42 EAST  
GHENT, KY 41045

6870 HIGHWAY 42 EAST

Certificate: 862191 4

Customer: 000032 998

Mail To:

A.M. CASTLE AND COMPANY  
1420 KENSINGTON ROAD-SUITE 230  
OAK BROOK, IL 60523

Date:

8/16/2013

Page: 1

Steel: 303

Finish: CD

Your Order: 240668

NAS Order: IN 0173856 01

Corrosion:

## PRODUCT DESCRIPTION:

Round Bar, Annealed, Cold Draw  
ASTM A582 12 EN 10204 3.1.1, ASTM A484/11  
AMS 5648U TYPE 1, QOS-7648 CONDITION A  
SOLUTION ANNEAL TEMP 1900F MIN

## REMARKS:

COMPLIES W/REQUIREMENTS OF DPAF 252-235-7014A-1 EU DIRECTIVE  
2011/65/EU. ROHS. EAF+AOD+CC. NO WELD REPAIR. MELTED AND MFG  
IN USA FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION

*only 23/11/29*

Product Id	Skid #	Diameter	Size	Weight	Length	Mark	Pieces	Commodity Code
BF6339 9		.7500		1.587	144.00	2	1	4632

CHEMICAL ANALYSIS CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan) Chemical Analysis per ASTM A751/08

HEAT	CN	C %	CO %	CR %	CU %	MO %	N %	NI %	P %
J1W2	US	.0347	.0790	17.1510	.3010	1.7985	.0441	8.3350	.0280
	S %		SI %						
		.3255	.5300						

Castle Metals FP

J1W2

HEAT NUMBER

MECHANICAL ID

4032

ITEM CODE

## MECHANICAL PROPERTIES

Product Id	1 d	HB	.2YS	UTS	RA	Elong
BF6339 9	o i	No.	KSI	KSI	%	% 4D
	RL	178.00	69.90	103.37	38.18	37.98

PO NUMBER 240668

RECEIPT DATE 8-4-13

SUPPLIER NAS

SPECIFICATION

LCS

COMMENT

APPROVED

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material meets the specifications stated. These results relate only to the items tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

Technical Dept. Mgr.

ERIC HESS

9/03/2013



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO22129**

Purchase Order Date 11/20/2013

PO Print Date 11/20/2013

Page Number 1 of 2

Order From : VC-MET001  
METAUX CASTLE  
A.M. CASTLE & CO. (CANADA) INC. - C/O 910720  
P.O. BOX 4090 STN A  
TORONTO, ON M5W OE9  
CA

Ship To : DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA



Contact Name  
Vendor Phone 514 694 9575  
  
Ship To Contact  
Ship To Phone  
Ship Via: VENDOR'S TRUCK  
Ship Acct:

Buyer  
Customer POID  
Customer Tax # 10127-2607  
Terms Net 30  
Currency CAD  
FOB FCA - (Free Carrier)

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	M303R0.750	303 Round Bar 0.750	12/2/2013 Yes 12/2/2013		108.00 f	\$3.07	\$331.56
MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582 NOTE: AISI 304/316 NOT ACCEPTABLE							
Line Total:							\$331.56
2	M303R0.375	303 Round Bar 0.375"	12/2/2013 Yes 12/2/2013		36.00 f	\$1.12	\$40.32
MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582 NOTE: AISI 304/316 NOT ACCEPTABLE							
Line Total:							\$40.32

Note:



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO22129**

Purchase Order Date 11/20/2013

PO Print Date 11/20/2013

Page Number 2 of 2

**Order From :** VC-MET001  
METAUX CASTLE  
A.M. CASTLE & CO. (CANADA) INC. - C/O 910720  
P.O. BOX 4090 STN A  
TORONTO, ON M5W OE9  
CA

**Ship To :** DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

**Contact Name**  
**Vendor Phone** 514 694 9575  
  
**Ship To Contact**  
**Ship To Phone**  
**Ship Via:** VENDOR'S TRUCK  
**Ship Acct:**

**Buyer** Chantal Lavoie  
**Customer POID**  
**Customer Tax #** 10127-2607  
**Terms** Net 30  
**Currency** CAD  
**FOB** FCA - (Free Carrier)

3	M7075T73R1.000	7075-T73 Rd Bar 1.00	12/2/2013	96.00	✓	\$5.79	\$555.84
			Yes	f			
			12/2/2013				

MATERIAL: 7075-T73 OR 7075-T7351/T73510/T73511 ROUND BAR  
AS PER AMS-QQ-A-200/11 OR AMS-QQ-A-225/9

**Line Total:** \$555.84

4	M174R0.750	17-4 round bar .750	12/2/2013	96.00		\$4.35	\$417.60
			Yes	f			
			12/2/2013				

MATERIAL: 17-4 PH / S17400 TYPE 630 SS ROUND BAR  
PER AMS 5643 OR ASTM A564  
GRAIN MUST BE ALONG LENGTH OF BAR  
MINIMUM YIELD TENSILE STRENGTH = 100 KSI  
MINIMUM ULTIMATE TENSILE STRENGTH = 150 KSI

96.6667  
C 1311/29

**Line Total:** \$417.60

**PO Total:** \$1,345.32

CL mg

**Note:** Pricing listed above is as per contract agreement between Dart Aerospace and the respective manufacturer.  
No substitution or deviation without consent.  
Certificate of Conformity or Material Certification required - YES NO  
PST# 6122-5207

**Change Nbr:** 1 **Change Date:** 11/20/2013